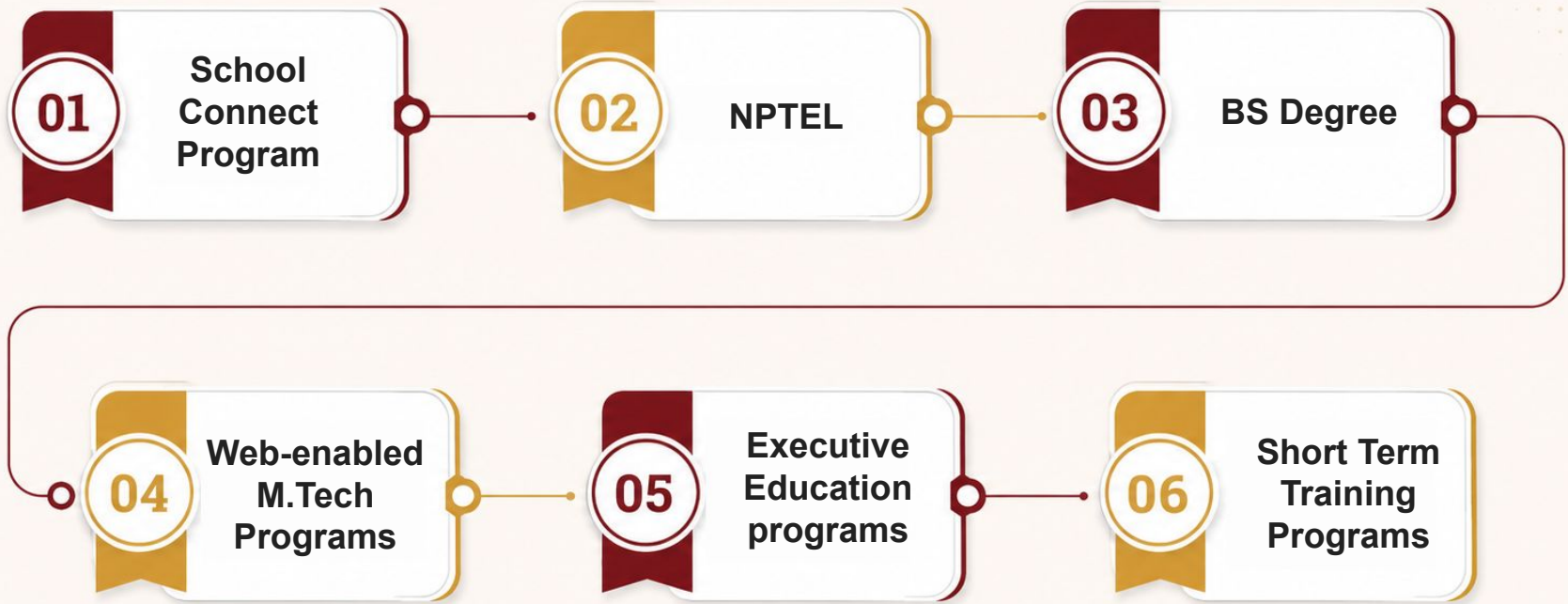




Centre for Outreach and Digital Education (CODE)

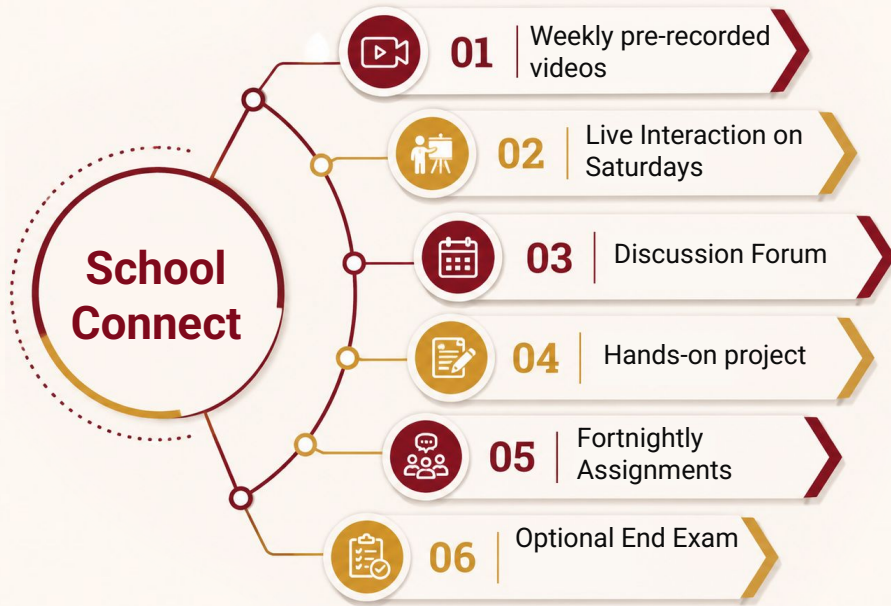
IIT Madras

ACADEMIC PROGRAMS



1. SCHOOL CONNECT PROGRAM

- Introductory 'Hands-on Career Experience Programs'
- Certification courses for Class X, XI & XII Students from partner schools



Next batch - October 2026 - 4 batches each year



4850+

SCHOOL PARTNERS

Including 60+ schools from outside India



1.70 lakh+

STUDENT BENEFICIARIES

CURRENT COURSES OFFERED UNDER THE SCHOOL CONNECT PROGRAM

Course List

1. Introduction to Data Science and AI
2. Introduction to Electronic Systems
3. Introduction to Architecture and Design
4. Introduction to Engineering Biological Systems
5. Fun with Math and Computing
6. Introduction to Law
7. Math Unplugged: Games and Puzzles
8. The Fundamentals of Aerospace
9. Introduction to Ecology
10. Humanities Unplugged
11. Introduction to Chemical Engineering
12. Economics, Finance, and Money Matters
13. Game Tech Explorers: Understanding Humans, Machines, and Play
14. Introduction to Product Design
15. Molecular Engineering: Opportunities and Challenges
16. Introduction to Cyber Security
17. Introduction to Digital Humanities

New courses in the pipeline: Management, Basic Sciences, Medical Sciences.

For more details: code.iitm.ac.in/schoolconnect/

Sample Certificate



2. NPTEL - JOINT INITIATIVE OF SEVEN OLDER IITs AND IISC



Free Repository

3200+ courses - for download
and viewing



Self-paced Certification

Any time enrollment and
certification (online exam) for a
nominal fee



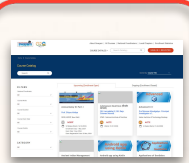
**Certification Courses every
Jan and July on SWAYAM**



**Enrollment is free. Exam for a nominal fee, is
in-person, proctored at centres**

NPTEL HIGHLIGHTS

National Programme on Technology Enhanced Learning



10286
Courses offered
on Swayam



4.16 Crore
Enrollments
(No fee)



88.27 Lakhs
Exam registrations
Proctored Exam
(Optional For Fee)



57.2 Lakhs
Certified
e-verifiable
Certificates

Courses from 80+ top institutes. NPTEL Networks with 8200+ Colleges and 100+ Industry Associates

1054 courses offered in Engineering, Humanities, and Management for the July 2026 semester

- **32.3 Lakh Enrollments and 23.7 Lakh Exam Registrations (ongoing)**

NPTEL INITIATIVE- FOR THE LEARNER COMMUNITY

For Students:



Credit transfer

Soft skill training

CSR support for fee waiver

Lab workshops

GATE exam preparation

For Faculty:

Faculty development points

For Students / Faculty

Workshops/Short term training programs

Internships

Post bac/Pre-doc fellowships

Support for attending conferences

Other Initiatives:

Industry associates

Translation

3. BS AND DIPLOMA PROGRAMS



• Data Science and Applications



• Aeronautics and Space Technology

New

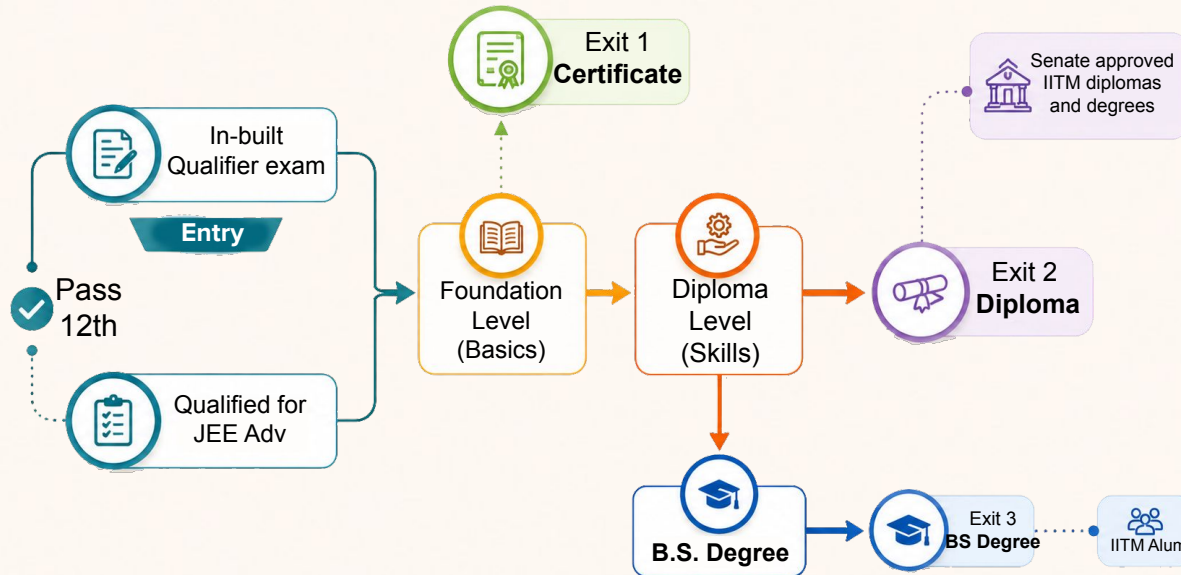


• Electronic Systems



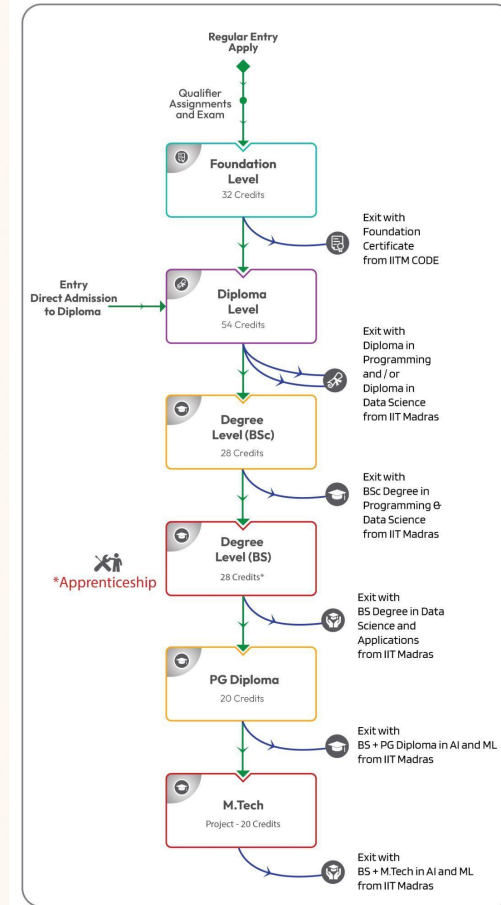
• Management and Data Science

New



IITM BS DEGREE IN DATA SCIENCE AND APPLICATIONS (BS-DS)

-  **01** Open to anyone who is interested in upskilling - any age, from anywhere, any background
-  **02** Entry - 4-week qualifier process or JEE
-  **03** All contents delivered online, proctored in-person exams on Sundays
-  **04** Access to IITM campus courses at the Degree levels
-  **05** Upgrade to PG Diploma/MTech program after completing the BS
-  **06** Upgrade to MS in IITM after completing the final year in IITM in person



IITM BS - DS PROGRAM - OVERVIEW

Applications (Jan 2021 onwards):

2,77,044



Students who have qualified:

86,423 (31.19%)



Students who have started the program: **71,720**



Applications for Qualifier process for May 2026:

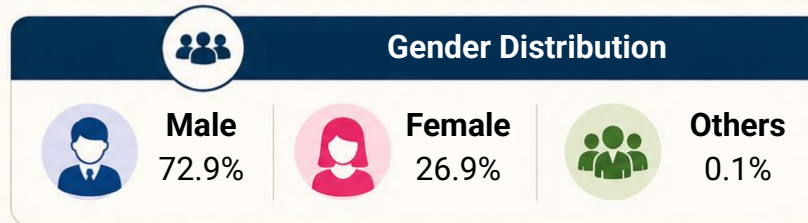
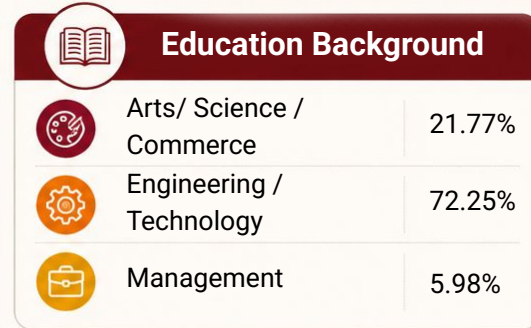
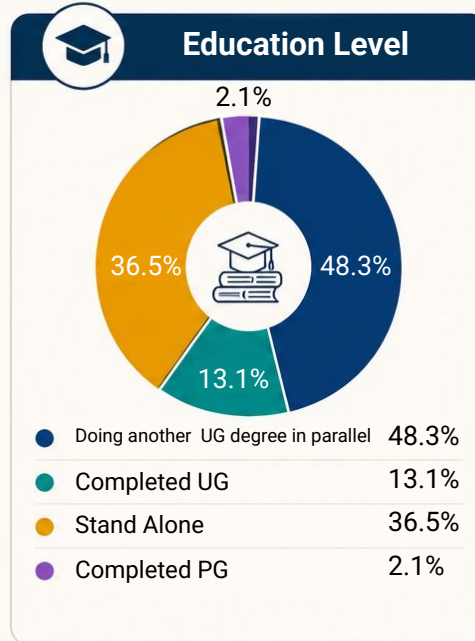
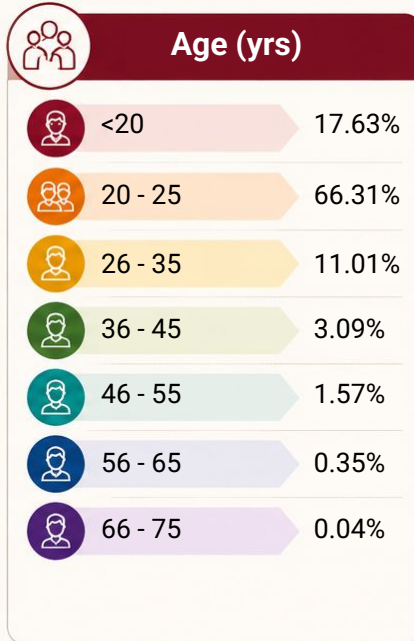
Regular: **13330** | JEE: **4434**



**Number of students
currently registered:
42985**

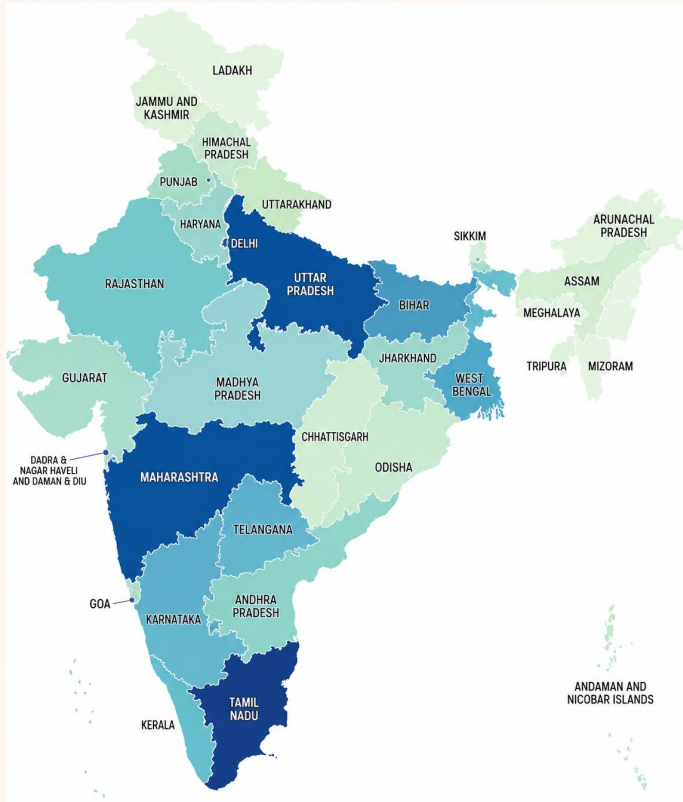
Level	Active	Highest level completed
Foundation	23,948	22145
Diploma	16,897	Both Diplomas-1618, DP-1302, DS-1245
BSc	1,362	927
BS	687	767
PGD	73	27
M.Tech	18	-

BS-DS PROGRAM STUDENT DISTRIBUTION



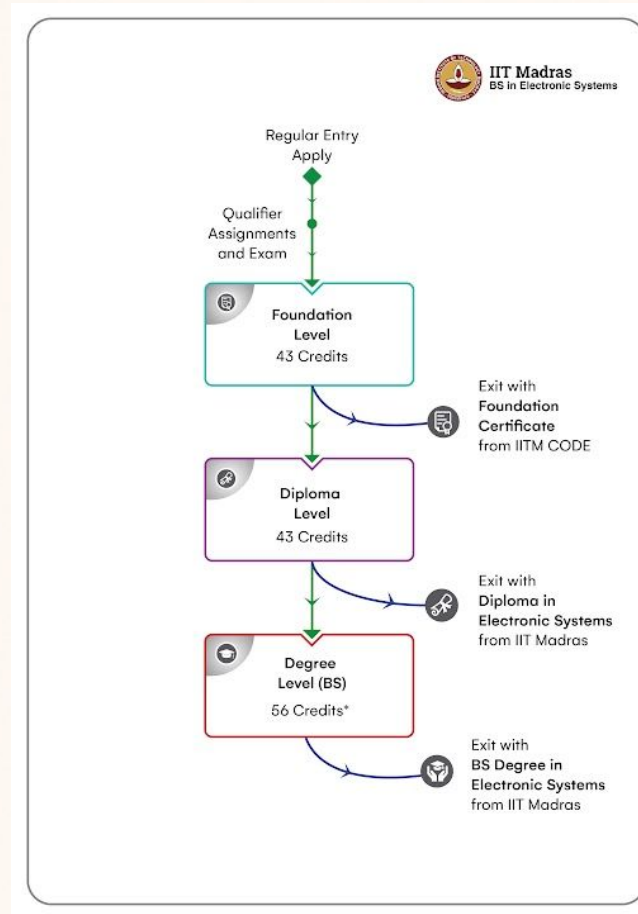
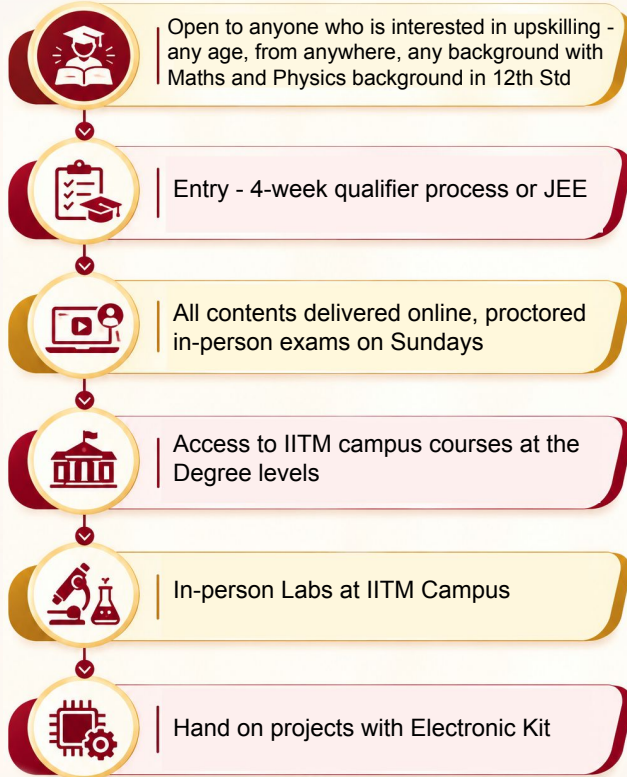
STUDENT COMMUNITY ACROSS INDIA

547 students outside India currently studying in the BS-DS program



State	No of Students	State	No of Students
Tamil Nadu	6493	Chhattisgarh	419
Uttar Pradesh	5888	Assam	389
Maharashtra	4628	Jammu & Kashmir	147
Bihar	2735	Puducherry	144
West Bengal	2620	Himachal Pradesh	142
Delhi	2325	Tripura	79
Karnataka	2307	Goa	61
Telangana	2219	Chandigarh	54
Rajasthan	1723	Meghalaya	20
Kerala	1721	Manipur	18
Andhra Pradesh	1598	Dadra & Nagar Haveli	18
Madhya Pradesh	1496	Andaman & Nicobar Islands	15
Haryana	1448	Arunachal Pradesh	12
Gujarat	1082	Nagaland	9
Jharkhand	1067	Mizoram	7
Odisha	643	Sikkim	5
Uttarakhand	475	Daman And Diu	4
Punjab	427		

IITM BS DEGREE IN ELECTRONIC SYSTEMS (BS-ES)



IITM BS - ES PROGRAM - OVERVIEW

Applications (June 2023 onwards):

12,162



Students who qualified:

4,286 (35.38%)



Students who have started the program: **2,822**



Applications for Qualifier process for May 2026:

Regular: **893** | JEE: **394**



Number of students currently registered:
2074

Level	Active	Highest level completed
Foundation	1429	526
Diploma	535	108
BS	108	0

BS-ES PROGRAM STUDENTS DISTRIBUTION

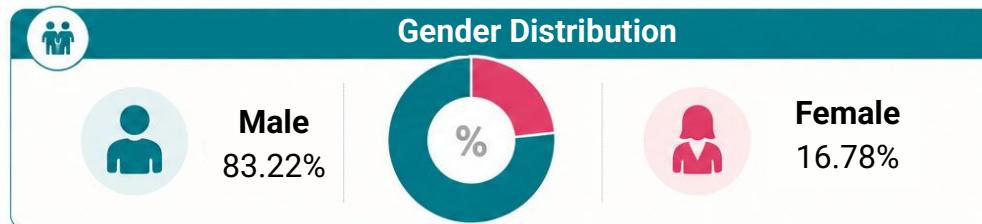
 Age (yrs)		
Age Group	% of Total	
 <20	17.63%	
 20 - 25	66.31%	
 26 - 35	11.01%	
 36 - 45	3.09%	
 46 - 55	1.57%	
 56 - 65	0.35%	

 Education Level		
 Doing another UG degree in parallel	50.21%	
 Completed UG	2.09%	
 Stand Alone	37.47%	
 Completed PG	0.73%	
 Others	9.5%	

 Education Background		
 Science	2.09%	
 Engineering / Technology	81.90%	
 Management	2.36%	

 Income Level		
 > 5 LPA	36.6%	
 1-5 LPA	19.7%	
 < 1 LPA	47.7%	

 Working Status	
	Employed 9.50%



STUDENT COMMUNITY ACROSS INDIA

19 students outside India currently studying in the BS-ES program

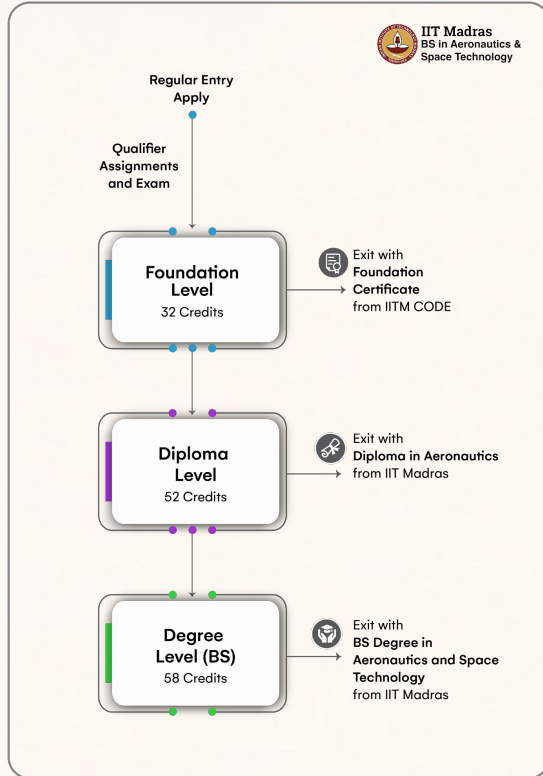


State	Number of Students
Tamil Nadu	465
Uttar Pradesh	236
Maharashtra	194
Karnataka	149
West Bengal	144
Telangana	121
Bihar	109
Kerala	94
Andhra Pradesh	88
Rajasthan	58
Delhi	58
Haryana	50
Gujarat	45
Jharkhand	44
Madhya Pradesh	39

State	Number of Students
Odisha	30
Chhattisgarh	22
Uttarakhand	20
Punjab	13
Puducherry	9
Assam	9
Jammu And Kashmir	8
Tripura	4
Goa	3
Chandigarh	2
Manipur	2
Sikkim	1
Nagaland	1
Arunachal Pradesh	1
Himachal Pradesh	1

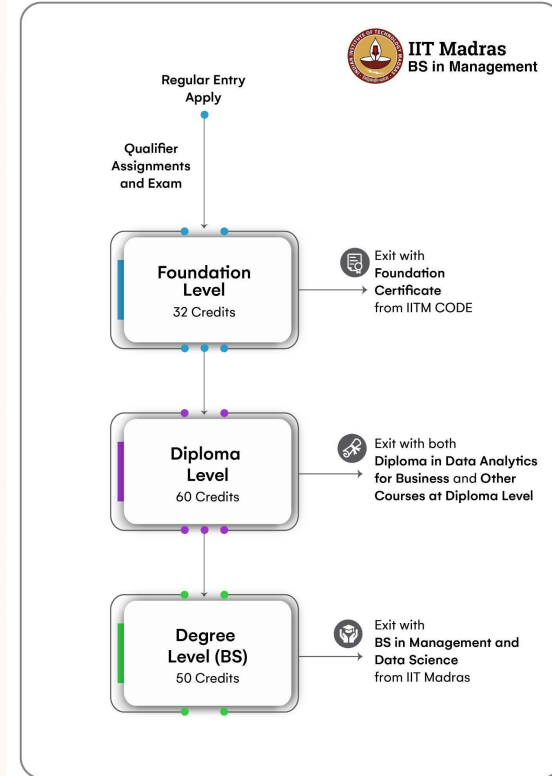
NEW PROGRAMS LAUNCHED IN FEB 2026

BS in Aeronautics and Space Technology



2600+ students have applied

BS in Management and Data science



3100+ students have applied

4. WEB ENABLED PG PROGRAMS - M.TECH

Prerequisite:

Program wise eligibility + 2 years work experience

M. Tech

- ❖ Aerospace Engg
- ❖ Artificial Intelligence
- ❖ Electrical Engg
- ❖ Comp Sc. Engg
- ❖ Mech Engg
- ❖ E-Mobility
- ❖ Process Safety

PG Diploma exit option available

01



Duration

1 or 2 years +
1 year Project

02



Mode of Delivery

Live classes during the
weekdays - 4pm - 7pm (IST):/
Recorded videos

03



Interim Assessments and End Term

Online proctored and
center based

04



Immersion

Through Laboratory sessions
or Campus visits or Project
review as per program

05



Project

Hands-on project in work area,
reviewed by IITM Faculty

06



Award of Degree M.Tech

Support of Company is required by way of a MoU / Letter of Support to execute the project in the employed organization

4.1 WEB ENABLED PG PROGRAMS - PG DIPLOMA

Prerequisite:
Program wise eligibility
Open for **Freshers**

PG Diploma

- ❖ Aerospace Engg
- ❖ Artificial Intelligence
- ❖ Electrical Engg
- ❖ Mech Engg
- ❖ E-Mobility*
- ❖ Process Safety
- ❖ Manufacturing Analytics

M.Tech upgrade
available except for
Manufacturing analytics

01

Duration
1 or 2 years

04

Immersion
Through Laboratory sessions or
Campus visits as per program

02

Mode of Delivery
Live classes during the weekday
4pm - 7pm (IST) / Recorded
videos

05

Mini Project
Applicable for Artificial
Intelligence, E-Mobility

03

**Interim Assessments and End
Term**
Online proctored and center
based

06

Award of Degree
PG Diploma

* Candidate has to be employed and support of Company is required by way of a MoU / Letter of Support ONLY for E-Mobility program at PG Diploma level.

Web M.Tech programs: 8; Specialisation - 15; Active - 958 Students; Graduated :802 students

Electrical Engineering

1. Communications & Signal processing
2. Integrated Circuit System
3. Microelectronics
4. Multimedia
5. RF Microwave

Active : 271 students
Graduated : 341 students



Mechanical Engineering

1. Mechanical Design
2. Automotive Technology

Active : 132 students
Graduated : 141 students



Aerospace Engineering

1. Aerospace Engineering
2. Ammunition Technology

Active :73 students
Graduated : 100 students



E-Mobility

Active : 61 students



Industrial Artificial Intelligence Artificial Intelligence

Active : 255 students
Graduated : 85 students



Information security

Active : 126 students
Graduated : 135 students



NEW PROGRAM

PG Diploma Manufacturing analytics

Process Safety

Active : 40 students



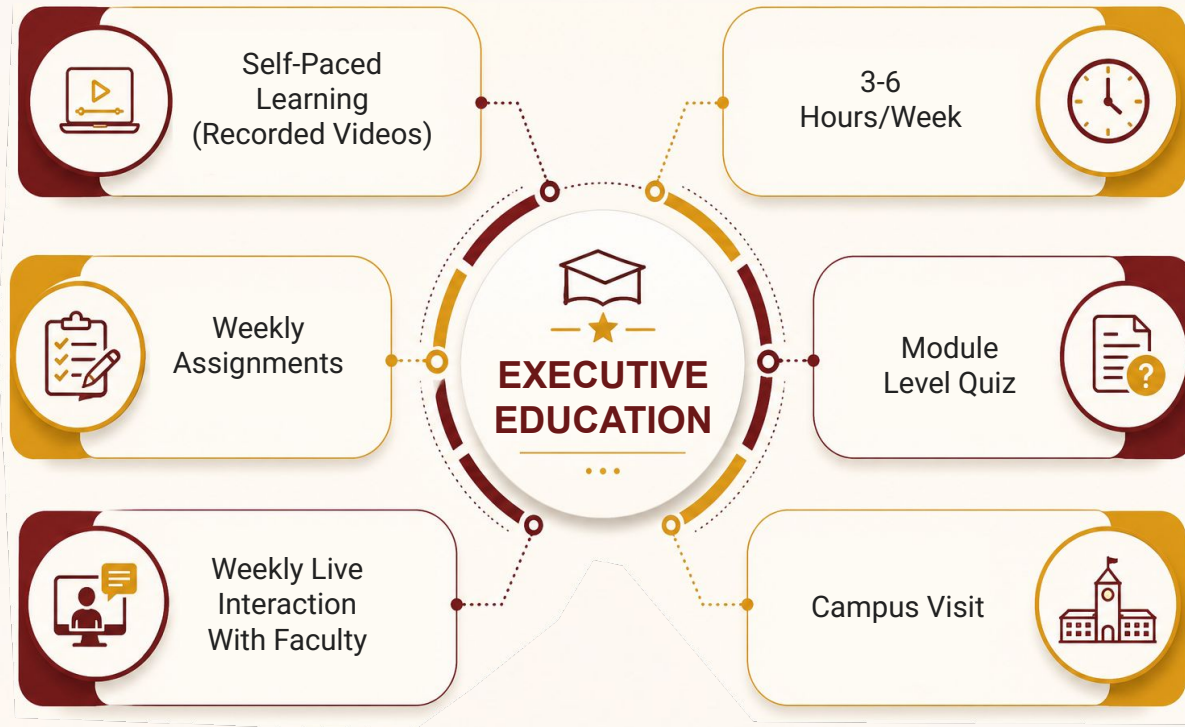
IMPORTANT DATES & APPLICATIONS

Visit code.iitm.ac.in/webmtech for course details and application

	
 Application Open From	● February 01, 2027
 Application End Date	● May 31, 2027
 Entrance Exam Date	● July 11, 2027
 Term Start	● September 2027
 Application Fee	● Rs. 3,000/-



5. EXECUTIVE EDUCATION



EXECUTIVE EDUCATION PROGRAMS

- Supply Chain Management Professional Certification (SCMPro) - Joint certification with CII
- Supply Chain Management Data + AI - Joint certification with CII
- Battery Pack Design and Development - Fundamentals
- eMobility (CPoEM)
- Construction Technology and Management
- Digital Transformation Strategy– Leadership Essentials
- Machine Learning for Industry Professionals
- Quantum Computing
- Certificate Program on Electric Vehicles (CPEV)
- Battery Cell Technology
- Motors & Controllers
- Additive Manufacturing (3D printing)
- Responsible AI
- Electric Vehicle Engineering & Development (EVEND)
- Sustainability for Indian Businesses
- Masterclass on ESG: From Compliance to Opportunity
- EV Testing and Validation -New Launch
- Embedded Systems in Software Defined Vehicles -New Launch
- Power Electronics in EVs-New Launch
- *Electric Vehicles charging and chargers--New Launch*

Lab courses launched:
**2-day in-person for
MoCo, EVEND, CPEV, PE, SDVES**

Please refer respective course cohort start dates at <https://code.iitm.ac.in/ExecEdu>

6. SHORT TERM TRAINING PROGRAMS

Customized for Companies | Duration: 2 hours to 2 weeks | In-person or Online

Civil Engineering

- Water Body Rejuvenation: Two-Days Workshop
- Biopolymers for sustainable circular economy
- Conceptual Design of Bridges

Electrical Engineering

- Embedded System interfacing with smart sensors
- Delta-Sigma Data Converters
- Clocking Techniques in Serial Links

Data Science / AR-VR

- Data Science and Financial Surveillance
- BioModels: Reproducibility in Systems Biology
- AI & Entrepreneurship: Building a Successful AI-First Startup

Automobiles

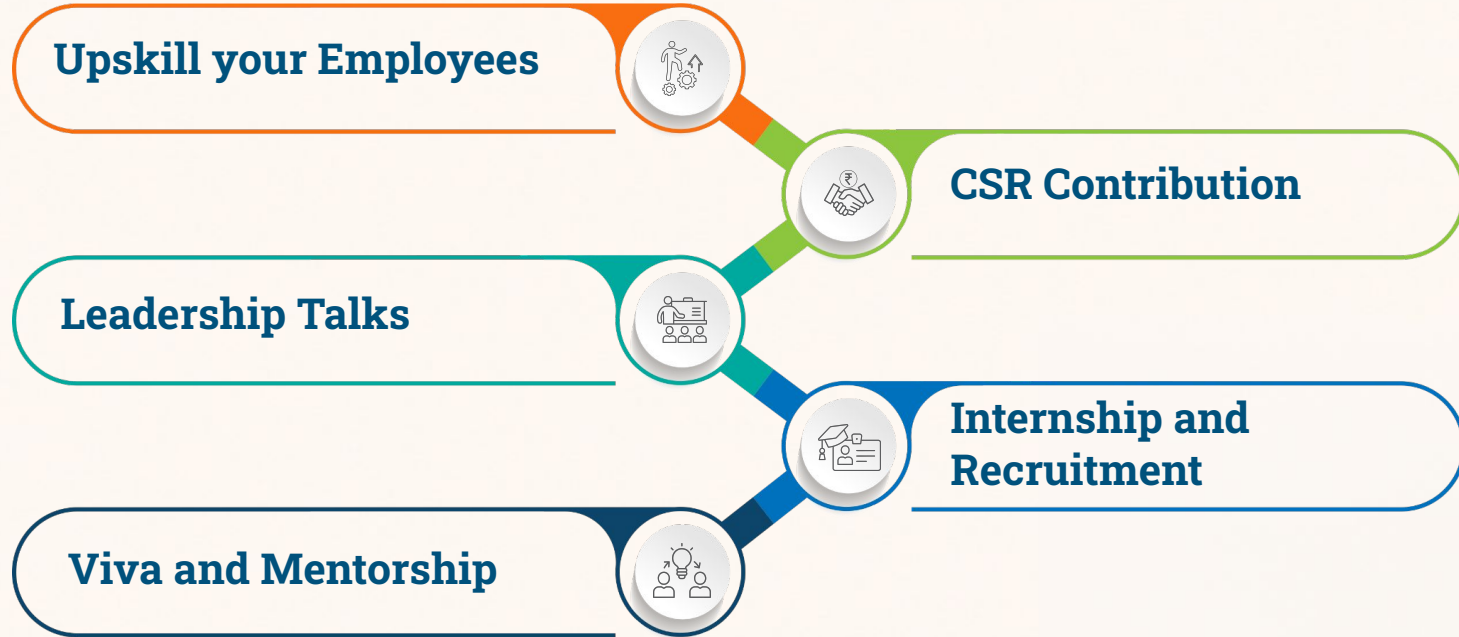
- Automotive Electronics
- Electric Vehicles
- Vehicle Dynamics
- Structured Crash Investigation using Root Cause Analysis Matrix
- Control Systems
- Sizing of Electrified Powertrains

Management

- Design(Think)ing Superior Value Propositions: Power of Insights, Imagination and Iteration
- Strategic Sourcing & Negotiation Skills

- Supply Chain Mastery: Navigating Risks, Technologies, and Performance
- Embracing ESG through Responsible Leadership
- Leadership Development and Business Excellence
- Lean Management and Value Stream Mapping

7. PARTNER WITH IITM CODE





IIT Madras



Connect with us.



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Chennai - 600 036

